

MEDICAL CAREERS EDUCATION FRAMEWORK

8th DRAFT

JULY 25, 2005
For Review and Comment

Connecticut State Department of Education
Bureau of Career and Adult Education
JULY 2005

Medical Career Education Program Goals

As a result of education in grades K-12, students will, within the development context of their age group:

- develop an understanding of health occupations;
- make informed career decisions;
- demonstrate ability to accurately assess self and others;
- apply academic knowledge and skills to home, community and workplace environments;
- demonstrate effective communication skills.

9-12 CONTENT STANDARDS

HEALTH CARE CORE

Develop knowledge and skills that will serve as a foundation for occupations and functions across the health services to include study in the following areas: academic foundation, communication, systems, employability skills, legal responsibilities, ethics, safety practices, and teamwork.

THERAPEUTIC/ DIAGNOSTIC CORE

Know and understand the set of standards that apply to both therapeutic and diagnostic occupations and functions including study of health maintenance practices, client interaction, intra-team communication and client assessment.

THERAPEUTIC CLUSTER

Know and understand the occupations and functions primarily involved in impacting the health status of the client over time including knowledge of data collection, treatment planning, implementing procedures and client status evaluation.

DIAGNOSTIC CLUSTER

Know and understand the occupations and functions primarily involved in creating a picture of the health status of the client at a single point in time including knowledge of planning, preparation, procedure, evaluation and reporting.

INFORMATION SERVICES CLUSTER

Know and understand the occupations and functions that document client care including analysis, abstracting and coding, information systems, documentation and operations.

ENVIRONMENTAL SERVICES CLUSTER

Know and understand the occupations and functions involving direct or indirect client care that create a therapeutic environment for providing that care including environmental operations, aseptic procedures, resource management and aesthetics.



Content Standard 1: Health Care Core

Develop knowledge and skills that will serve as a foundation for occupations and functions across the health services to include study in the following areas: academic foundation, technology, communication, systems, employability skills, legal responsibilities, ethics, safety practices, and teamwork.

9-12 PERFORMANCE STANDARDS

	<p>Educational experiences in Grade 9-12 will assure that students:</p> <ul style="list-style-type: none">• Integrate academic knowledge and skills in the biology, chemistry, health, mathematics, and English related to medical careers education;• Demonstrate the concepts of basic disease processes;• Illustrate the effects of abnormal factors such as immobility, stress, pain, substance abuse, and environmental hazards on the normal functioning of the body;• Differentiate and illustrate the health problems associated with the stages of growth and development;• The student will compare the anatomical structures and physiological function of each body system;• Explain the various methods of giving and obtaining information;• Communicate effectively, both orally, nonverbally, and in writing;• Demonstrate knowledge of the effective use of technology;• Understand how the health care workers' role fits into their department, organization, and overall health care environment;• Recognize that learning is a life-long process, describing and comparing how work and life changes have affected the skills and knowledge base of all individuals;• Demonstrate how key health care systems affect services performed and quality of care given;• Analyze how employability skills enhance employment opportunities and job satisfaction;
--	--

Content Standard 1: Health Care Core

9-12 PERFORMANCE STANDARDS, continued

	<p>Educational experiences in Grade 9-12 will assure that students:</p>
	<ul style="list-style-type: none">• Demonstrate key employability skills, including time management, leadership skills and procedures/training, to maintain skills as needed for the job market;• Research health care careers, education requirements, licensure, and scope of practice, including therapeutic, diagnostic, information services, and environmental services careers, developing a career portfolio;• Determine legal responsibilities, limitations, and implications of actions within the health care delivery system; including confidentiality;• Explore accepted ethical practices with respect to cultural, social, and ethnic differences within the health care environment;• Perform duties according to regulations, policies, laws, and rights of clients;• Analyze the existing and potential hazards to clients, co-workers, and self;• Practice injury or illness prevention through safe work practices and follow health and safety policies and procedures;• Demonstrate knowledge of the normal body defenses against disease processes;• Understand the role and responsibilities of individual members as part of the health care team, including their ability to promote the delivery of quality health care; and• Interact effectively and sensitively with all members of the health care team, including conflict resolution.

Content Standard 2: Therapeutic/Diagnostic Core

Know and understand the set of standards that apply to both therapeutic and diagnostic occupations and functions including study of health maintenance practices, client interaction, intra-team communication and client assessment.

9-12 PERFORMANCE STANDARDS

	<p>Educational experiences in Grade 9-12 will assure that students:</p> <ul style="list-style-type: none">• Understand the care given to patients based on fundamentals of wellness and the prevention of disease processes;• Demonstrate client interaction skills by explaining planned procedures and goals to clients/patients;• Students will use various strategies to respond to questions and concerns;• Demonstrate how to prioritize and communicate client information to the appropriate team members in a timely manner;• Monitor client status, participate in the development and implementation of Patient Care Plan as a member of the Health Care Team;• Understand the principles of body mechanics for positioning, transferring, and transporting clients;• Perform classroom laboratory activities and relate knowledge and skills to the clinical setting scenario; and• Apply acquired skills in the clinical setting.
--	--

Content Standard 3: Health Care Career Clusters

Know and understand the occupations and functions primarily involved in health career occupations related to therapeutics, diagnostics, information services and environmental services.

Grade 9-12 PERFORMANCE STANDARDS

Therapeutic Cluster	Diagnostic Cluster	Information Services Cluster	Environmental Services Cluster
<ul style="list-style-type: none"> Understand the facility protocol and guidelines for collecting data, including identification of client health care needs, strengths, and problems; Understand the general purpose and components of the treatment plan; Understand procedures within scope of practice and how procedures relate to the goals and objectives of a treatment plan; and Identify clients' needs, strengths, client status, and attainment of treatment goals. 	<ul style="list-style-type: none"> Understand components and implications of requests for procedures, reading requests for services and planning when and how to implement the services; Know the steps of procedural set-ups, preparing supplies and equipment and client for procedures; Understand the logic and sequence of a procedure, including alternative methods, performing procedures to create precise and accurate results; Understand the principles of quality assurance and quality improvement, continuously evaluating the procedure and results; and 	<ul style="list-style-type: none"> Know the quantitative and qualitative requirements for client information, including confidentiality, analyzing that information for various purposes; Use knowledge of medical terminology and extract required information from the medical record; Understand the content and multiple uses of health information, documenting appropriate information; and Understand the operations used to enter, retrieve, and maintain information, using health information technology and materials safely and efficiently. 	<ul style="list-style-type: none"> Understand the responsibilities of the roles within the environmental services cluster, performing tasks safely while following established internal and external guidelines; Know the work practices that maintain a clean and healthy environment, following recommended practices to reduce or eliminate pathogenic organisms; Understand the principles and techniques of resource management, ensuring the careful use of available resources; and

Content Standard 3: Health Care Career Clusters
--

Grade 9-12 PERFORMANCE STANDARDS, continued			
Therapeutic Cluster	Diagnostic Cluster	Information Services Cluster	Environmental Services Cluster
	<ul style="list-style-type: none">• Understand the need for precise, accurate, and timely reporting, producing report results using appropriate communication channels.		<ul style="list-style-type: none">• Understand the importance of maintaining an environment that is aesthetically appealing, upholding facility standards for service, maintenance, and upkeep.